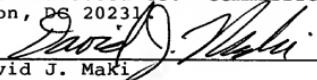




PATENT

I certify that on the date specified below, this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, DC 20231

SEPTEMBER 2, 1987
Date


David J. Maki

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Frederick S. Hagen, et al.

Serial No. : 810,002

Filed : December 16, 1985

For : EXPRESSION OF FACTOR VII AND

IX ACTIVITIES IN MAMMALIAN CELLS

Examiner : Karen Maurey

Art Unit : 127

Docket No. : 9908.420 CIP

Date : September 2, 1987

Commissioner of Patents and Trademarks
Washington, DC 20231

DECLARATION REGARDING DEPOSIT OF BIOLOGICAL MATERIALS

Sir:

I, Sharon J. Busby, do hereby declare as follows:

1. I am presently employed as a senior scientist with ZymoGenetics, Inc. of Seattle, Washington, the assignee in the above-identified application, and am familiar with the deposit of biological materials by ZymoGenetics.

2. That deposits of biological materials designated as FIX/VII/pD2; FIX(-G)/pD2; FVII (565-2463)/pDX; and FVII (2463)/pDX have been made with the American Type Culture

considered
10-23-87
ECD

49
11/1
9/28/87

Collection (ATCC) prior to the filing date of the subject application.

3. That the deposits were made in accordance with the terms of the Budapest Treaty.

4. That the deposits were either submitted to the ATCC by myself, or by persons authorized by ZymoGenetics to make such deposits, and further that the deposits were identified by the ATCC as follows:

FIX/VII/pD2	- Accession Number 53068, Deposited March 28, 1985;
FIX(-G)/pD2	- Accession Number 53067, Deposited March 28, 1985;
FVII (565-2463)/pDX	- Accession Number 40205, Deposited November 25, 1985;
FVII (2463)/pDX	- Accession Number 40206, Deposited November 25, 1985.

5. That access to the deposits will be available during the pendency of this patent application to one determined by the Commissioner of Patents to be entitled thereto.

6. That all restrictions on the availability of the deposits to the public will be irrevokably removed upon the granting of the patent.

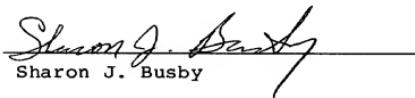
7. That, in accordance with the terms of the international forms attached hereto, the deposits will be maintained by the ATCC for a period of at least thirty years after the date of deposit, and for a period of at least five years after the most recent request for a sample, or for the effective life of the patent, whichever period is longer.

8. That the deposit will be replaced if it should ever become non-viable.

9. That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willfully false

statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issued thereon.

Dated this 2 day of September, 1987.


Sharon J. Busby



American Type Culture Collection

12301 Parklawn Drive • Rockville, MD 20852 USA • Telephone: (301)881-2600 Telex: 908-768

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

INTERNATIONAL FORM

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT ISSUED PURSUANT TO RULE 7.3 AND VIABILITY STATEMENT ISSUED PURSUANT TO RULE 10.2

To: (Name and Address of Depositor or His/Her Attorney)

ZymoGenetics, Inc.
2121 North 35th
Seattle, Washington 98103
Attention: Sharon Busby

Deposited on behalf of:

Identification reference given by the DEPOSITOR
Escherichia coli RR-1 transformed with
plasmid FIX(-G) /pD2
~~Escherichia coli RR-1 transformed with~~
~~plasmid FIX(-G) /pD2~~

Accession number given by the ATCC

53067

53067

The deposit(s) identified above was(were) accompanied by:

a scientific description

a proposed taxonomic designation: Escherichia coli

The deposit(s) identified above was(were) received on March 28, 1985 by this International Depository Authority and has(have) been accepted.

At your request:

We will inform you of all requests for the strain(s) for 30 years.

We will not inform you of all requests for the strain(s).

The strain(s) will be made available if a patent office signatory to the Budapest Treaty certifies one's right to receive, or if a U.S. Patent is issued citing the strain(s).

The strain(s) are available to the scientific public upon request.

The strain(s) will be maintained for a period of at least 30 years after the date of deposit, and for a period of at least five years after the most recent request for a sample. The United States, as well as many other countries, is a signatory to the Budapest Treaty.

The viability of the culture(s) identified above was tested on

March 29, 1985

On that date, the said culture(s) was(were) viable.

INTERNATIONAL DEPOSITORY AUTHORITY:
American Type Culture Collection
12301 Parklawn Drive
Rockville, Maryland 20852 USA

Signature of person having the power to represent the ATCC:

Bobbie A. Brandon

(Mrs.) Bobbie A. Brandon, Head

Professional Services Department

March 29, 1985

Date: _____

cc: Gary Parker
Kerry Miljour



American Type Culture Collection

12301 Parklawn Drive • Rockville, MD 20852 USA • Telephone: (301) 881-2600 Telex: 908-768

BUDAPEST TREATY ON THE INTERNATIONAL RECOGNITION OF THE DEPOSIT OF MICROORGANISMS FOR THE PURPOSES OF PATENT PROCEDURE

INTERNATIONAL FORM

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT ISSUED PURSUANT TO RULE 7.3 AND VIABILITY STATEMENT ISSUED PURSUANT TO RULE 10.2

To: (Name and Address of Depositor or His/Her Attorney)

ZymoGenetics
2121 N. 35th Street
Seattle, Washington 98103
Attention: Kathleen L. Berkner

Deposited on behalf of:

Identification reference given by the DEPOSITOR
(DNA) FVII (565-2463)/pDX

Accession number given by the ATCC
40205

(DNA) FVII (2463)/pDX

40205

The deposit(s) identified above was(were) accompanied by:

a scientific description

a proposed taxonomic designation:

The deposit(s) identified above was(were) received on November 25, 1985 by this International Depository Authority and has(have) been accepted.

At your request:

We will inform you of all requests for the strain(s) for 30 years.

We will not inform you of all requests for the strain(s).

The strain(s) will be made available if a patent office signatory to the Budapest Treaty certifies one's right to receive, or if a U.S. Patent is issued citing the strain(s).

The strain(s) are available to the scientific public upon request.

The strain(s) will be maintained for a period of at least 30 years after the date of deposit, and for a period of at least five years after the most recent request for a sample. The United States, as well as many other countries, is a signatory to the Budapest Treaty.

The viability of the culture(s) identified above was tested on

On that date, the said culture(s) was(were) viable.

December 5, 1985

INTERNATIONAL DEPOSITORY AUTHORITY:

American Type Culture Collection
12301 Parklawn Drive
Rockville, Maryland 20852 USA

Signature of person having the power to represent the ATCC:

(Mrs.) Bobbie A. Brandon, Head
Professional Services Department

Date: December 13, 1985

cc: Gary Parker
 Kerry Miljour